

- Regenerating ultrafiltration **membrane** tubes by back-
washing - with compressed **air** introduced in reverse
flow direction so that liq. remaining in tubes become
aerated.

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Membrane tubes used for ultrafiltration or reverse osmosis are back-washed periodically to restore the efficiency. Compressed air is introduced into each of the membrane tubes in the bundle through the condensate outlet end of the tube, so that the air passes through the tube in the counter direction of flow of the filtering liq. and produces numerous air bubbles in the condensate remaining in the tube.

The ppte. on the membrane wall is caught by the air bubbles and sepd. from the membrane wall. The introduction of compressed air also causes vibration in the membrane tube wall which facilitates sepn. of the ppte. particles by the air bubbles.